

SEQ ID NO:1

FIGURE 1

CCCGAGGTGCGCGGTCTTTAAGGCGGTCTGGTTCTGTTCTGAAGGA
AGTACGGGGGGATTGAATGAAAAGTCACACAGGCTCGCAGCGCTGGA
GCCCGGGGCCGGAGCCGGCCGGCAGCGCCGTCTCCGCCTCGGGGCCGG
GGCGCCCTGCTGAGCGCTACCCACGTGCGTCCGCCACCTCGGGCGACCCCG
CGGCCAAGGCCCCGGCGAGCGGCTCCGGCCGGAACTAGCCCCAACTTT
GGCGAAGTTGCCTGCCTCTCCCCGCCACCGCGCGCCGGCGACGGGA
CGGCAGCGCCCCGGGATGCGCCTTCCCAGGGTACCCCTGGCGCCCTGCGCT
GCTGCTGCTGCCGCTGCGCCGCTGCTGGAAACGGGTGCCCGGGAGCT
CGGGTCCCGTGCAGGACGGCACAGCATCAGCCTCGAGCTGCGCAAGCCCAGGGCACCGTGC
ACAGCGACCGGGACAGCATCAGCCTCGAGCTGCGCAAGCCCAGGGCACCGTGC
TCCTCACCGCCGACTCAAGAAGGATGTGAAGGTCTTCCGGCCCTGATCCTGGGG
GAGCTGGAGAAGGGGAGAGTCAGTTCCAGGCCCTGCTTGTCAACCAGCTGCA
GCACAATGAGATCATCCCCAGTGAGGCCATGGCCAAGCTCCGGCAGAAAAATCCCC
GGCAGTGCAGGCGAGGAGGAGGTTGGCTGGAGCATCTGCACATGGATGTC
GCTGCAACTCAGCCAGGGGCCCTGCTGAGCCCCATCTCCACACGTGTGTGCC
GAGGCCGTGGATGCCATCTACACCCGCCAGGAGGATGTCCGGTTCTGGCTGGAGCA
AGGTGTGGACAGTTCTGTGTCAGGCTCTGCCAAGGCCTCAGAGCAGGGAGC
TGCCTCGCTGCAGGCAGGTGGGGACCGCGGGAAAGCCCTGCGTCTGCCACTATGGC
CTGAGCCTGGCCTGGTACCCCTGCATGCTCAAGTACTGCCACAGCCGCACCGGCC
ACGCCCTACAAGTGTGGCATCCGAGCTGCCAGAACAGCTACAGCTTGACTTCTAC
GTGCCCTAGAGGAGCTGTCTGGATGAGGATCCCTACCCAGGCTAGGGTGG
GAGCAACCTGGCGGGTGGCTGCTCTGGCCACTGCTTCAACCAGCCACTAGAGG
GGTGGCAACCCCCACCTGAGGCCTTATTCCCTCCCCACTCCCTGGCCCTA
GAGCCTGGGCCCTCTGGCCCATCTCACATGACTGTGAAGGGGTGTGGCATGGCA
GGGGTCTCATGAAGGCACCCCCATTCCCACCCCTGCGCTCCTGGCGGGAGAGAG
GGAGAGAAGGGCTCCCCAGATCTACACCCCTCCCTGCATCTCCCTGGAGTGT
CACTGCAAGCTGCCAAACATGATGGCTCTGGTTGTCTGTAACCTCCTGAAC
GTTAGACCTAAAAGGAGTCTATACTGGACACCCACCTCCCCAGACACAACTCCC
TTCCCATGCACACATCTGGAAAGGAGCTGGCCCTCAGTCCTACTCCCCAAC
AAGGGCTCACTATCCCCAAAGAACAGGAGCTGGGGACCCACGACGCAGGCCCTG
TACTGGATTACAGCATATTCTCATCTGGCCCCGAGGCTGCGTGTGGGGAGTGG
AGACCTCCCATCACTGAGACAGATCACAGACCACGAGTGCCTTCCGGACCTGGAC
GTTGCTCCAAAACAGGCACCAAGCTTCCCTCTAGACAGAAATTTTGAA
GGTCTGGGGCAGGGAGGGAGCATGAAGTACGAGGAAACTGAAATTCCAGATT
TAATGCAAAGTATTATCATTCTACAGAAATAACGTTAAGTTTACTGACT
AATGAGACCCAGAGTTGGAGAAAACCTTGGCCAATGCTGCCACCTGATGTCAGA
AAGTGTCCCCACACCCAGTGCAGTGGCCTATCTTGGAAACAAGAACTTCGAAAGCACCT

FIGURE 1 (continued)

ACTGTGTGCTCAGCCATTGAGGAAGGAAGGAGGAAGGAAGATGTTACTAGGGA
AGGATGAGATAAAACTTCTGCACCAAGACAATGAGACAGACATAACTGCAACCGT
AGTAAGCCAGTCAGAAATAGCCAGCGCGAAGGCAAGAGATGGGGTGGAGATTGGA
ACCCCGCTTCAGATCTGGGCTCGGCTACTTACCTGCTGTGCAGCCATGGGTCAAGTT
GCTTGACCTCTGTGCCTCCACTCCCTAGCTATAAAATGAGCTTACTT

SEQ ID NO:2

FIGURE 2

MRLPGVPLARPALLLLPLLAPLLGTGAPAELRVRVRLPDGVTEESLQADSDADSISLELRKPDGTLVSFTADFKKDVKFRA
LILGELEKGQSQFQALCFVTQLQHNEIIPSEAMAKLRQKNPRAVRQAEEVRGLEHLHMDVAVNFSQGALLSPHLHN
VCAEAVDAIYTRQEDVRFWLEQGVDS
SVFEALPKASEQAELPRCRQVGDRGKPCVCHYGLSLAWYP
CMLKYCHSRDRPTPYKCGIRSCQKSYSFDFYVPQRQLCLWDEDPYPG*

SEQ ID NO:3

FIGURE 3

MRLPGVPLARPALLLLPLLAPLLG TGAPA

FIGURE 4

Sequence Range: 1 to 2366

10 20 30 40 50 60 70 80 90
SEQ ID NO:1 CCGCGAGGTGCGCGGTCTTTAAGGCGGTCTGGTGGTTCTGTTCTGAAGGAAGTGAACGGGGGTGGGATTGAATGAAAGTGCA
GGCGCTCCACGCCAGAGAAATTCCGCCAGGACCAAGACAAGAAAGACTTCCTCACTGCCACCTAACCTTAACTTACTTTCACGT
100 110 120 130 140 150 160 170 180
AAACACAGGCTCGCAGCGCTGGAGCCGGCGGGAGCGCGGGCAGCGCCGTCTCGCCTCGGGCCGCCGGGGCGCCCTGCT
TTTGTGTCGAGCGCTCGCACCTCGGCCCCCGCGCCTCGGCCCGGCCGTGCGCAGAGGCGGAGGCCCGGCCGGCCCCCGCGGACG
190 200 210 220 230 240 250 260 270
TGAGCGCTACCCACGTGCGTCGCCACCTCGCGGGCGACCCCGCGCCAAGGCCCGGGAGCGGCTCCGGGCGCCCTCGCGAGGGCCC
ACTCGCGATGGGTGACCGCAGGCCGGTGAGCGCCCGCTGGGGCGCCGCTCGCGAGGGCCCAGGGCCCGCGGCTTGATC
280 290 300 310 320 330 340 350 360
CCCCCAACTTGGCGAAGTTGCGCTGCCCTCTCCCGCCCCACCGCGCGCCGGCGCGACGGCAGCGGCCGGGGATGCG
GGGGGTTGAAACCCGCTTCAAACGGACGCCAGAGGGCGGGGTGCGCCGCGGCCGCTGCCGTGCCGGGGCCCTACGC
SEQ ID NO:2 M R>
TRANSLATION OF OAFHUMAN [A] >
370 380 390 400 410 420 430 440 450
CCTCCCGGGTACCCCTGGCGCCCTGCGCTGCTGCTGCTGCCGCTGCTCGCGCTGCTGGGAAACGGTGCAGCCGGCAGCTGA
GGAAGGGCCCATGGGACCGCGCGGGACCGACGACGAGCAGCGACGAGCGACGCCCTGCCACCGCGGGCTCGA
L P G V P L A R P A L L L P L L A P L L G T G A P A E L >
TRANSLATION OF OAFHUMAN [A] >
460 470 480 490 500 510 520 530 540
GCGGGTCCCGTGCCTGGGACGGCACGGAGGTGACCGAGGAGGACCTGCAAGCGGACAGCAGCATCAGCCTCGAGCTGCG
GCCAGCGCACGCCGACGGCTGCCGGTCACTGGCTCTCGGAGCTGCCCTGCGCTGCCCTGCGTAGTCGGAGCTCGACGC
R V R V R L P D G Q V T E E S L Q A D S D A D S I S L E L 'R >
TRANSLATION OF OAFHUMAN [A] >
550 560 570 580 590 600 610 620 630
CAAGCCCCAGGCCACCCCTGCTCCCTCACCGCGACTCAAGAAGGATGTGAAGGTCTCCGGGGCTGATCTGGGGAGCTGGAGAA
GTTGGCTCCGTGGAGCACAGGAAGTGGCGCTGAAGTTCTCCTACACTTCCAGAACGGCCGGACTAGGACCCCTGACCTT
K P D G T L V S F T A D F K K D V K V F R A L I L G E L E K >
TRANSLATION OF OAFHUMAN [A] >
640 650 660 670 680 690 700 710 720
GGGGCAGAGTCAGTCCAGGCCCTCTGCTTGTCAACCGAGCTGCAAGCACAAATGAGATCATCCCCAGTGAAGGCAAGCTCCGGCA
CCCCGTCTCAAGTCAGTCAAGGTGGAGACGAAACAGTGGGTGACGTGTTACTCTAGTAGGGTCACTCCGGTACCGGTTGAGGCCGT
G Q S Q F Q A L C F V T Q L Q H N E I I P S E A M A K L R Q >
TRANSLATION OF OAFHUMAN [A] >
730 740 750 760 770 780 790 800 810
GAAAAAAATCCCGGGCAGTGGCAGGCCAGGGAGGTTGGGGCTGGAGCATCTGCACATGGATGTCGCTGTCAACTTCAGCCAGGGGC
CTTTTTAGGGGCCGTACGCCGTCGCCCTCCAAGCCCCAGACCTCGTAGACGTGTAACCTACAGCGACAGTGAAGTCGGTCCCCCG
K N P R A V R Q A E E V R G L E H L H M D V A V N F S Q G A >
TRANSLATION OF OAFHUMAN [A] >
820 830 840 850 860 870 880 890 900
CCTGCTGAGCCCCCATCCACAACGTGTTGCGCAGGGCGTGGATGCCATCTACACCCGCCAGGAGGATGTCGGGTTCTGGCTGGAGCA
GGACGACTCGGGGTAGAGGTGTTGACACACGGCTCCGCACCTACGGTAGATGTCGGCGTCTCCTACAGCCAAGACCGACCTCGT
L L S P H L H N V C A E A V D A I Y T R Q E D V R F W L E Q >
TRANSLATION OF OAFHUMAN [A] >
910 920 930 940 950 960 970 980 990
AGGTGTGGACAGTTGTTGAGGCTCTGCCAAGGCCCTAGAGCAGGGAGCTGCCCTGAGCGAGGTGGGGGACCGCGGGAA
TCCACACCTGTCAAGACACAAGCTCCGAGACGGGTTCCGGAGTCTCGCCCTCGACGGAGCGACGTCCCTGCCACCCCTGCGCCCTT
G V D S S V F E A L P K A S E Q A E L P R C R Q V G D R G K >
TRANSLATION OF OAFHUMAN [A] >
1000 1010 1020 1030 1040 1050 1060 1070 1080
GCCCTCGCTGCCACTATGGCCTGAGCTGGCTGGTACCCCTGCATGCTCAAGTACTGCCACAGCCGAGCCGGCCACGCCCTACAA
CGGACGCCAGACGGTGTACCCGACTCGGCCACCATGGGAGCTACGGTAGTTCATGACGGTGTGGCGCTGGCCGGTGCAGGGATGTT
P C V C H Y G L S L A W Y P C M L K Y C H S R D R P T P Y K >

FIGURE 4 (continued)

TRANSLATION OF OAFHUMAN [A] >

1090 1100 1110 1120 1130 1140 1150 1160 1170
 GTGTGGCATCCGAGCTGCCAGAAAGAGCTACAGCTTCACTACGTGCCAGAGGCAGCTGTCTCTGGATGAGGATCCTACCC
 CACACCGTAGGCGTCACGGCTCTCGATGTCGAAGATGACCGGGCTCCGTCGACACAGAGACCCACTCCTAGGGATGGG
 C G I R S C Q K S Y S F D F Y V P Q R Q L C L W D E D P Y P>
 > TRANSLATION OF OAFHUMAN [A] >

1180 1190 1200 1210 1220 1230 1240 1250 1260
 AGGCTAGGGTGGGAGCAACCTGGCGGGTGGCTCTGGGCCACTGCTCTCACAGGCCACTAGAGGGGGTGGCAACCCCCACCTGAG
 TCCGATCCCACCCCTGTTGGACCCGCCACCGACGAGACCCGGGTGACGAGAAGTGGTGGTATCTCCCCCACCGTGGGGTGGACTC
 G *

1270 1280 1290 1300 1310 1320 1330 1340 1350
 GCCTTATTCCCTCCCTCCCCACTCCCCCTGGCCCTAGAGCCTGGGCCCTCTGGCCCATCTCACATGACTGTGAAGGGGGTGTGGCATG
 CGGAATAAGGGAGGGAGGGTGGAGGGGACCGGGATCTGGACCCGGGAGACCGGGTAGAGTGTACTGACACTCCCCAACCGTAC

1360 1370 1380 1390 1400 1410 1420 1430 1440
 GCAGGGGGTCTCATGAAGGCACCCCCATTCCCACCCCTGTGCGCTCCTGCGGGCAGAGAGGGAGAGAAGGGCTCCCACTACACCC
 CGTCCCCCAGAGTACTCCGTGGGGTAAGGGTGGACACGGAAGGAACGCCGTCTCCCTCTTCCGAGGGGTCTAGATGTGGGG

1450 1460 1470 1480 1490 1500 1510 1520 1530
 TCCCTCTGCATCTCCCTGGAGTGTTCACTGCAAGCTGCCAAACATGATGGCCTCTGGTTGTTGAACCTCTGAACGTTAG
 AGGGAGGACGTAGAGGGACCTCACAGTGAACGTTGACGGTTTGTACTACCGGAGACCAACAAGACAATTGAGGAACCTGCAAATC

1540 1550 1560 1570 1580 1590 1600 1610 1620
 ACCCTAAAAGGAGTCTATACCTGGACACCCACCCAGACACAACCTCCCTCCCCATGCACACATCTGGAAGGAGCTGGCCCTCAGT
 TGGGATTTCCCTCAGATATGGACCTGTGGGGTGGAGGGGCTGTGTTGAGGGTAGCTGTAGACCTCCCTGACCGGGAGTC

1630 1640 1650 1660 1670 1680 1690 1700 1710
 CCCCTCTACTCCCCAACAGGGCTCACTATCCCCAACAGAGGCTGTTGGGGACCGACGCCAGCAGCCCTGACTGGATTACACCAT
 GGGAGGATGAGGGTTGTTCCCGAGTGTAGGGTTCTTCCCTGACAACCCCTGGGTGCTGCGTGGGGACATGACCTAATGCGTA

1720 1730 1740 1750 1760 1770 1780 1790 1800
 ATTCTCATCTCTGGCCCGAGGCTGCGCTGTGGGGCAGTGGAGACCTCCCATCACTGAGACAGATCACAGACCAGCAGTGCCTTCCCG
 TAAGAGTAGAGACCGGGGCTCGACGGACACCCCGCTCACCTCTGGAGGGTAGTGTACTCTGTCTAGTGTCTGGTGTACGGAAAGGGC

1810 1820 1830 1840 1850 1860 1870 1880 1890
 ACCTGGACGTTGCCTCCAAAACAGGCACCAAGCTTTCCCTCTAGACAGAAATTTTGTAAGGTTCTGGGGCAGGGAGGGAGCATG
 TGACCTGCAACGGAGGTTTGTCCGTGGTCAGAAAGGGAGAGATCTGTCTTATAAAACATTCAAGACCCCGTCCCTCCCTCGTAC

1900 1910 1920 1930 1940 1950 1960 1970 1980
 AAGTACGAGGAAAATTGAAATTCCAGATTAAATGCAAAGTATTATCATTCTACAGAAATAAACGTTTAAGTTTACTTGACTA
 TTCATGCTCCTTTGACTTAAGGTCTAAATTACGTTCATAAATAGTAAAGATGGTCTTTATTGCAAAATTCAAAATGAACGT

1990 2000 2010 2020 2030 2040 2050 2060 2070
 ATGAGACCCAGAGTTGGAGAAAATTGGCCAATGCTGCCACCTGTGATGTCAGAAAGTGTCCCCACACCCCTAGCAGTGGCTATCTGG
 TACTCTGGGTCTCAAACCTCTTGAAACCGGTTACGACGGTGGACTACAGTCTTCACAGGGGTGTTGACCGGATCGTACCGGATAGAAC

2080 2090 2100 2110 2120 2130 2140 2150 2160
 ACAAGAAACTCGAAAGCACCTACTGTGTCGTCAGCCATTGAGGAAGGAAGGAGAGAAGGAAGATGTTACTAGGGAGGATGAGATAA
 TTGTTCTGAAGCTTCGTGGATGACACACGAGTCGTAACACTCTTCCCTCTTACAATGATCCCTCCTACTCTATT

2170 2180 2190 2200 2210 2220 2230 2240 2250
 AACTCTGCACCAAGACAATGAGACAGACATACTGCAACCGTAGTAAGCCAGTCAGAAATAGCCAGCGCGAAGGCAAGAGATGGGGT
 TTGAAGACGTGGGTCTGTTACTCTGTCTGATTGACGTTGGCATCTCGTCAGTCTTATCGTCGCGTCTCCGTTCTACCCAC

2260 2270 2280 2290 2300 2310 2320 2330 2340
 GAGATTGGAACCCCGCTTCAGATCTGGCTCGGCTACTTACCTGCTGTCAGCCATGGGTCAAGTTGCTTGACCTCTGTGCGCTCCACT
 CTCTAACCTGGGGCGAAGTCTAGACCCGAGCCGATGGACGACACGTCGGTACCCAGTTCAACGAACGAACTGGAGAGACACGGAGGTGA
 2350 2360
 CCCTTAGCTATAAAATGAGCTTACT
 GGGAAATCGATATTACTCGAATGAA

FIGURE 5

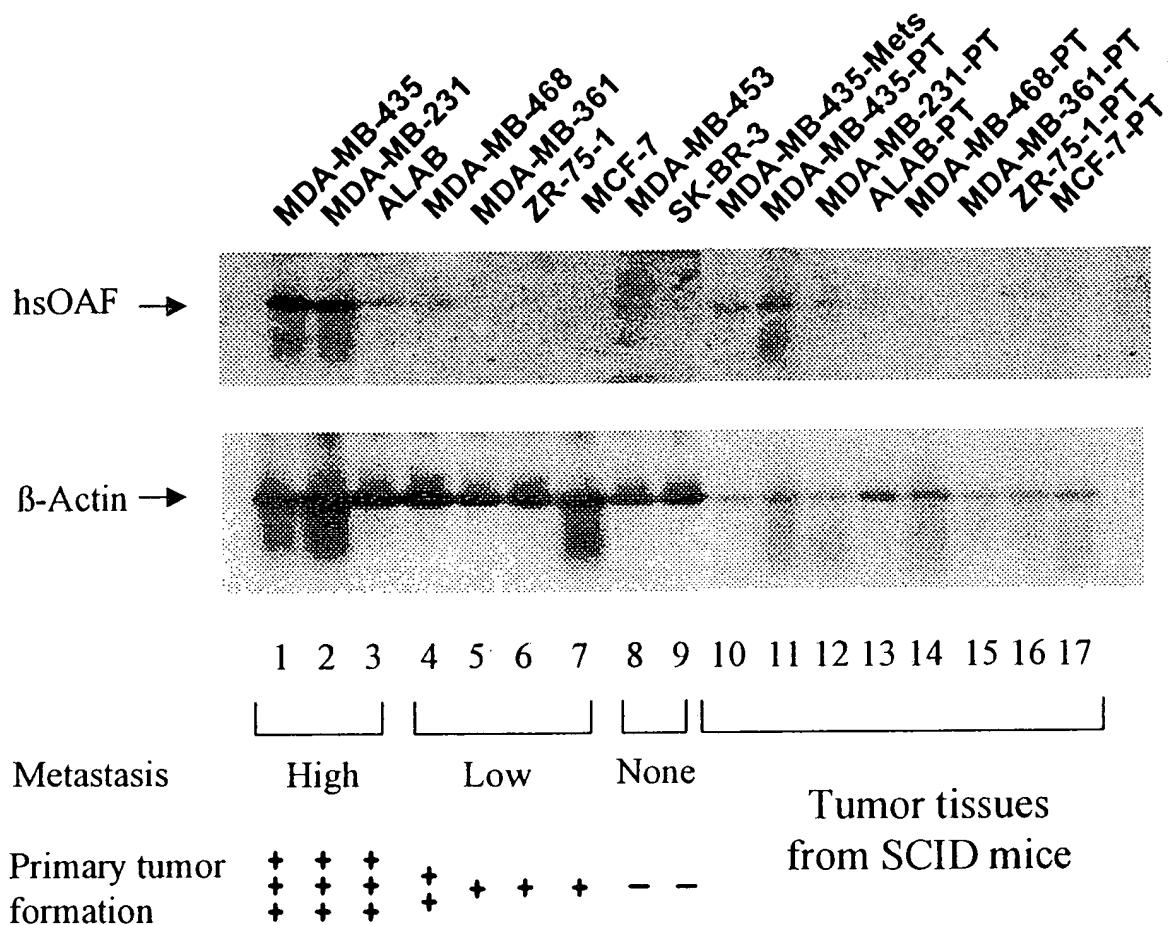


FIGURE 6

MDA-MB-435 soft agar colonies normalized to WST1

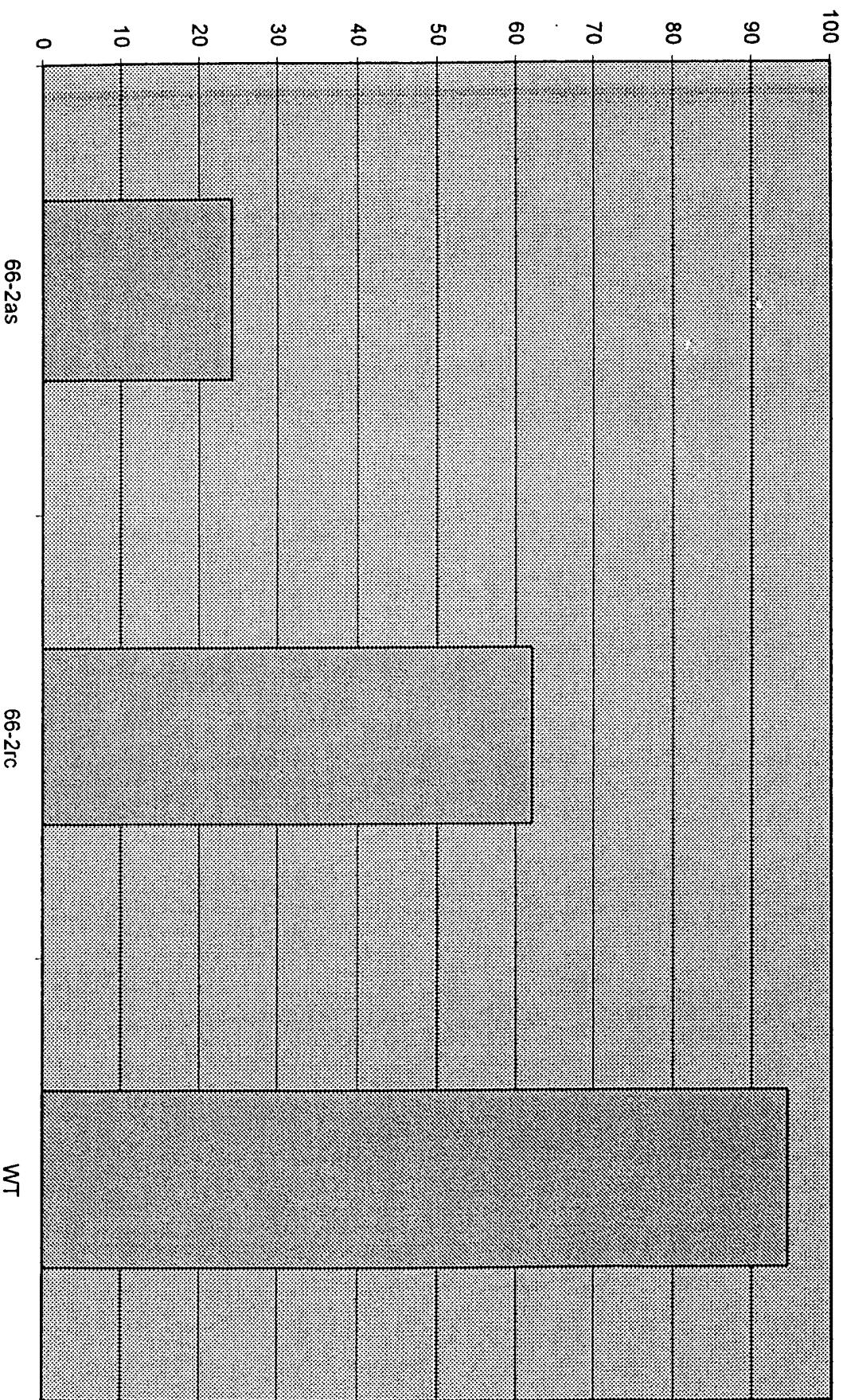


FIGURE 7

hsOAF I
OAF I MILKEEHPHQSIE TAANAARQAQVRWRMAHLKALSR T G - - - - - VPLA 10
60

hsOAF II
OAF 61 A F P A S I L L P L Q A P L L G T G P A E E R V R V R Y R L P D C O T T B Q L Q A D S D A S S T L R P G E Y V S 70
120

hsOAF 71 F T A D E K K D A Y K V F R A I I I G L E K Q Q S G F O A L V Q L Q H N E I I P E E M M N D Q C M T R A V Q 130
OAF 121 Q V I D A R N E S Q I L K A V C E R T G Y Y V M I A T K F N K G D F S A A M A K R Q E N H I A T 180

hsOAF 131 A D V R G L C H L H D V A N F S Q G A L L S P H H N V C A E C V D I T Q E D V R F L Q V D S V F 189
OAF 181 P D K C R T F T S S W Q L N R S L P I T R H Q G L E S S M D T V D V D I K A A L P S S S I S L 240

hsOAF 190 L P K A S E Q A E L P R Q G D R G K I C V C H Y G L S L A V C G M I C H S R - - - - - 236
OAF 241 S A T E K F P D T L S T N E S S S L W A C L G N L E T C I G M P E G I S C K G K G V A G A S S G A Q Q Q A 300

hsOAF 237 R P Y K G T R S C O K S Y S D F E V P G R O L O I V D P Y P G 273
OAF 301 Q N V R C S I K T R C G T Q T Y R G K Q C E 332

FIGURE 8A

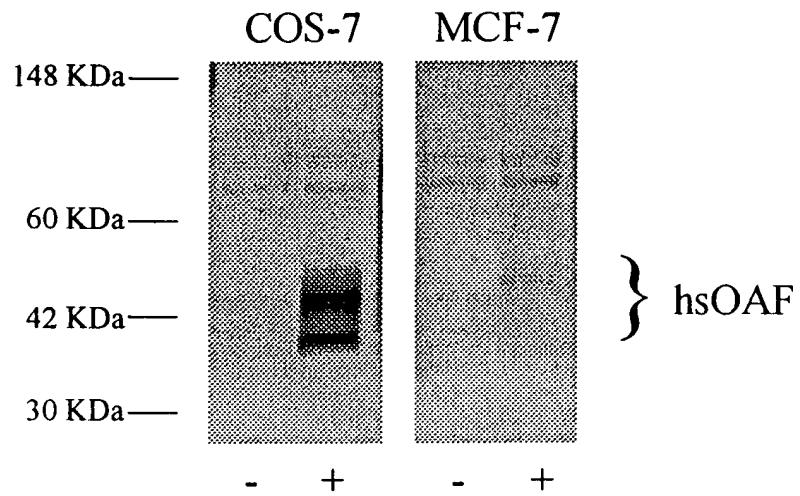


FIGURE 8B

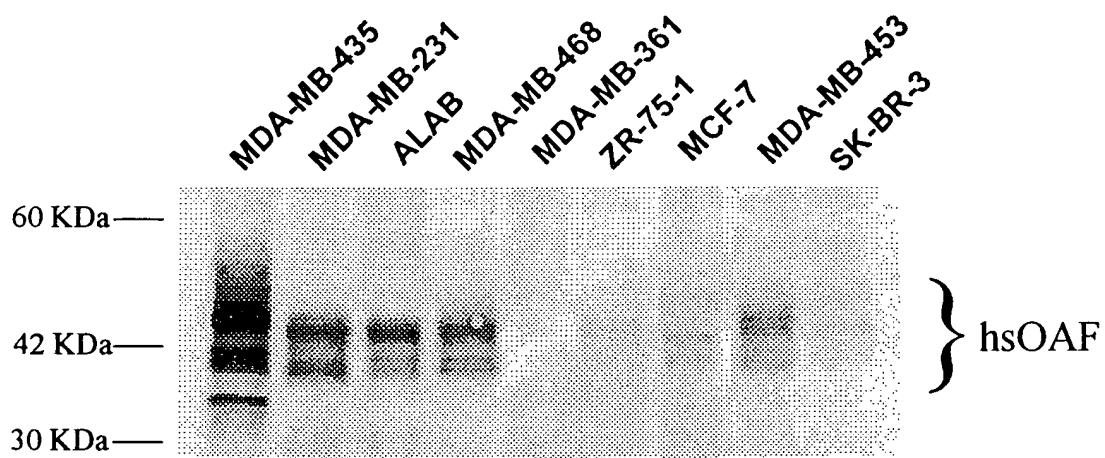


FIGURE 9

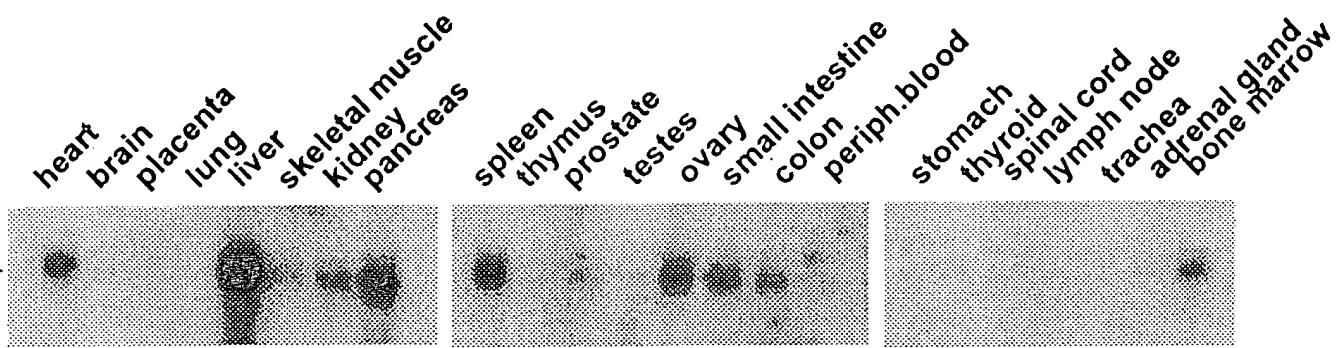
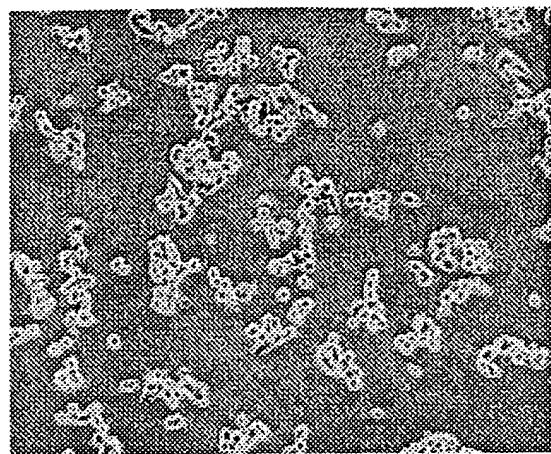
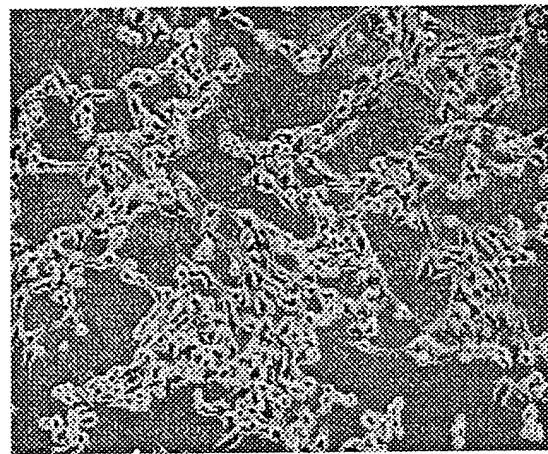


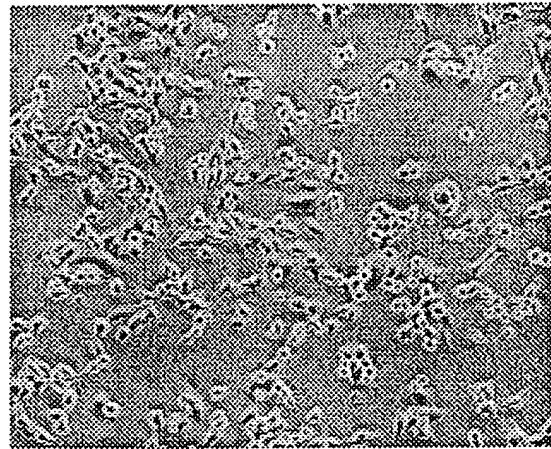
FIGURE 10A



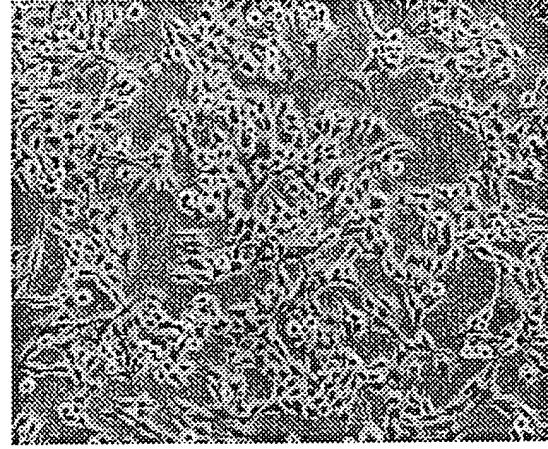
AS



RC

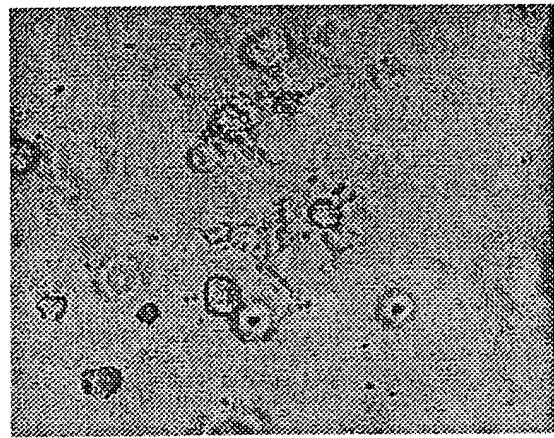


AS+M

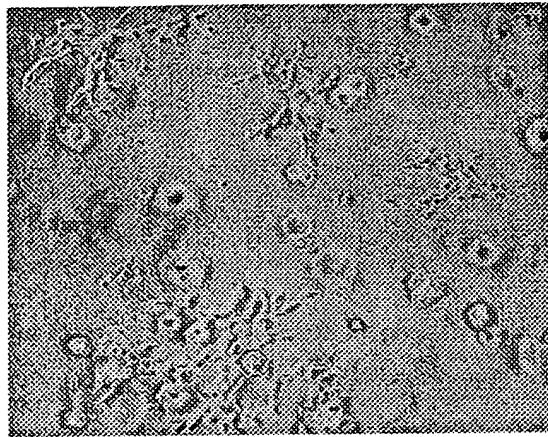


Normal

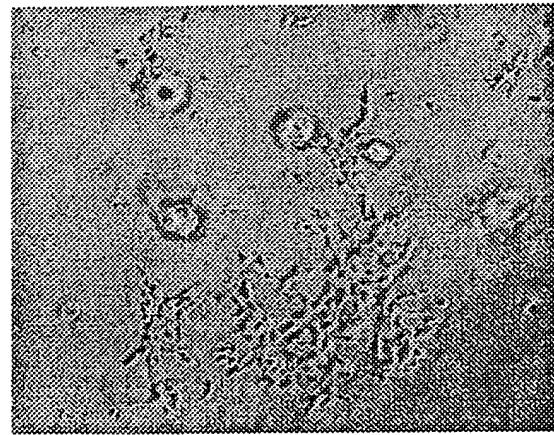
FIGURE 10B



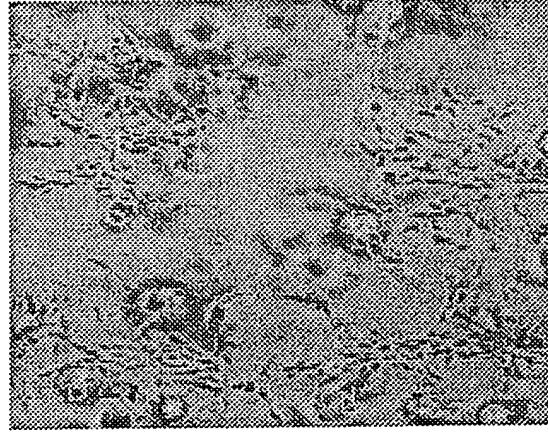
AS



RC



AS+M



Normal

FIGURE 11

1 CCGCGAGGTGCGCGGTCTTTAAGGCGGGTCTGGTGGTTCTGTTCTGAAGGAAGTGACGGGGGTGGGATTGAATGAAAAGTG
89 CAAAACACAGGCTCGCAGCGTGGAGGCCGGGCGGGAGCCGGCAGCGCGCTCTCGCCTCGGGCGCCGGGGCGCCCT
179 GCTGAGCGCTACCCACGTGGTCCGCCACCTCGCAGGGCGACCCCGCGCAAGGCCCCCGCGAGCGGCTCCCGGGCGCCCCGA
269 AGCCCCAACTTGGCGAAGTTGCCTCGCCCTCTCCCCGCCCGACCGCGCGCCGGCGACGGCAGCGGCCCCCGGGGATG
1 M
359 CGCCTTCCCAGGGTACCCCTGGCGCCCTGCGCTGCTGCTGCTGCCGCTGCTCGCGCCGCTGGGAACGGTGCAGCCGGAG
2 R L P G V P L A R P A L L L L P I L A P L L G T G A P A E
449 CTGCGGGTCGGCTGCGCTGCCGGACGGCCAGGTGACCGAGGAGCCCTGAGCGGACAGCAGCATCGCCTCGAGCTG
32 L R V R V R L P D G Q V T E E S L Q A D S D A D S I S L E L
539 CGCAAGCCGACGGCACCCCTGCTCTCCACCGCCGACTCAAGAAGGATGTGAAGGTCTCCGGCCCTGATCCTGGGGAGCTGGAG
62 R K P D G T L V S F T A D F K K D V K V F R A L I L G E L E
629 AAGGGGCAAGTCAGTTCAGGCCCTGCTTGTACCCAGCTGCAGCACATGAGATCATCCCCAGTGAGGCCATGGCCAAGCTCCGG
92 K G Q S Q F Q A L C F V T Q L Q H N E I I P S E A M A K L R
719 CAGAAAAATCCCCGGGCACTGGCGAGGCCGAGGGTTCGGGGCTGGAGCATCTGCACATGGATGTCGCTGTCAACTCAGCCAGGG
122 Q K N P R A V R Q A E E V R G L E H L H M D V A V N F S Q G
809 GCCCTGCTGAGCCCCATCTCCACACGTGTGCGAGGCCGTGGATGCCATCTACACCCGCCAGGAGGATGTCCGGTCTGGCTGGAG
152 A L L S P H L H N V C A E A V D A I Y T R Q E D V R F W L E
899 CAAGGTGTGGACAGTTCTGTGTTGAGGCTCTGCCCAAGGCCCTCAGAGCAGGGAGCTGCCCTCGCTGCAGGCAAGTGGGGGACCGGG
182 Q G V D S S V F E A L P K A S E Q A E L P R C R Q V G D R G
989 AAGCCCTGCGCTGCACTATGCCCTGAGCTGGTACCCCTGCATGCTCAAGTACTGCCACAGCCGCACCGGCCACGCCCTAC
212 K P C V C H Y G L S L A W Y P C M L K Y C H S R D R P T P Y
1079 AAGTGTGGCATCCGCAGGCCAGAGCTACAGCTCGACTTCTACGTGCCAGAGGCACTGTGTCTCTGGGATGAGGATCCCTAC
242 K C G I R S C Q K S Y S F D F Y V P Q R Q L C L W D E D P Y
1169 CCAGGCTAGGGTGGGAGAACCTGGCGGGTGGCTGCTCTGGGCCACTGCTCTCACCAAGGCACTAGAGGGGTGGCAACCCACCTG
272 P G *
1259 AGGCCCTATTCCTCCCTCCCACTCCCTGGCCCTAGAGCTGGGCCCTGGCCCCATCTCACATGACTGTGAAGGGGGTGTGGCA
1349 TGGCAGGGGTCTCATGAAGGCACCCATTCCACCCCTGCTCTTGCCTGGGGCAGAGAGGGAGAGAAGGGCTCCCCAGATCTACACC
1439 CCTCCCTCTGCATCTCCCTGGAGTGTCACTTGCAAGCTGCCAAACATGATGCCCTCTGGTTCTGTGAACCTTGAACGTT
1529 AGACCCCTAAAGGAGTCTACCTGGACACCCACCTCCCCAGACACAACCTCCCTCCCATGCACACATCTGGAGGAGCTGGCCCTCA
1619 GTCCCTCTACTCCCAAACAAGGGGCTACTATCCCAAAGAAGGAGCTGTGGGACCCAGACGCCAGGGCTGTACTGGATTACAGC
1709 ATATTCCTCATCTGGCCCGAGGCTGTGGGGCAGTGAGACCTCCCATCTGAGACAGATCACAGACACCGAGTGCCTTCCC
1799 GGACCTGGACGTTGCCCTCAAACAGGACCCAGCTTTCCCTCTAGACAGAAATATTTGTAAAGGTTCTGGGCAGGGAGGGAGCA
1889 TGAAGTACGAGAAAATTCAAGATTTAATGCAAATTCTACCAAGAAAATAAACGTTTAACTTTTACTTGAC
1979 TAATGAGACCCAGAGTTGGAGAAAATTGGCAATGCTGCCACCTGATGTCAGAAAGTGTCCCCACACCCTAGCAGTGGCTATCTT
2069 GGAACAAGAAACTTCGAAGACCCACTGTGTGCTCAGCAATTGAGGAAGGAAGGAGAGAAGGAAGATGTTACTAGGGAGGATGAGAT
2159 AAAACTTCTGCACCCAAAGACAATGAGACAGACATACTGCAACCGTAGTAAGCCAGTCAGAAATAGCAGCGGAAGGCAAGAGATGGGG
2249 TGGAGATTGGAACCCCGCTCAGATCTGGCTCGGCTACTTACCTGCTGTGCAAGGTCAGCTGCTTGAACCTCTGTGCCTCCA
2339 CTCCCTAGCTATAAAATGAGCTTACTT-polyA

FIGURE 12A

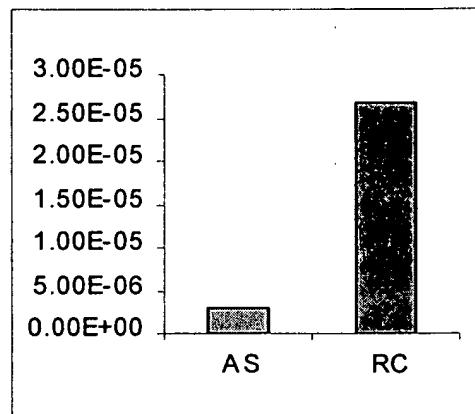


FIGURE 12B

